

21. **Allowable Emissions:** The Permittee shall not allow emissions into the atmosphere in excess of any of the following:

	Daily Emission Limit	Twelve Month Rolling Average Emission Limit
Volatile Organic Compounds (VOCs)		

The twelve month rolling average shall be calculated at the end of each calendar month by summing the emissions over the most recent twelve calendar months.

22. **VOC Limitations:**

The Permittee is considered a small source by Rule 337 §306.1, and as such the Graphic Arts Materials limits of Rule 337 §301 do not apply to the Permittee. Should the Permittee become subject to the provisions of §301 by exceeding either threshold amount, the Permittee will remain subject to these provisions even if annual emissions later fall below these thresholds.

- a) **Fountain Solution VOC limits:** The Permittee shall limit the combined total volume of alcohol, alcohol substitute, and any other VOC in each fountain solution source to the limits in column A of Table 1 whenever the press is on; except that a fountain solution source refrigerated below 60°F and having a properly indicating temperature monitor is subject to the limits in column B of Table I.

TABLE 1
VOC LIMITS BY VOLUME FOR FOUNTAIN SOLUTION

Column A	Column B	Column C
<u>General Limit</u>	<u>Limit for a Source Refrigerated Below 60°F</u>	<u>Compliance Date</u>
15 percent	25.5 percent	March 28, 1997
10 percent	17 percent	March 28, 1998
5 percent	8.5 percent	March 28, 1999

- b) **Cleaning Solution VOC limits:** The Permittee shall use cleaning solutions with a VOC-Vapor-pressure limits at 20°C as outlined in the following table (Rule 337 §303 of MCAPC Regulations). In addition, all VOC-containing materials used for cleaning and cleanup, including rags and towels, shall be stored in closed containers when not in use.

<u>Vapor Pressure</u>	<u>Compliance Date</u>
33 mm Hg	March 28, 1997
25 mm Hg	March 28, 1998
10 mm Hg	March 28, 1999

23. **Monitoring:** The Permittee shall monitor the alcohol concentration of each fountain solution source containing any alcohol with a refractometer, a hydrometer or a conductivity meter. The instrument shall have a visual readout (analog or digital) with an accuracy of either ± 2 percent of the meter's full scale, or ± 0.5 percent absolute (such as for meter readings given in percent). The Permittee shall perform weekly monitoring of each fountain solution source containing alcohol to demonstrate compliance with Permit Condition # 22 (a).

The Permittee shall update the most current mixing ratio of all alcohol, alcohol-substitutes, and water used in each fountain solution on weekly basis.

In the case of presses which never use any alcohol, the Permittee shall update the most current mixing ratio of all alcohol-substitutes, and water used in each fountain solution on monthly basis.

24. **Recordkeeping and Reporting:**

The Permittee shall maintain a current list of inks, coatings, adhesives, fountain-solutions, alcohol(s) and alcohol substitutes, thinners, cleaners, and any other VOC-containing materials used at the facility; state the VOC content of each in pounds per gallon or grams per liter. In addition, for each blanket wash and other cleaning solutions used to clean lithographic presses, list the VOC vapor pressure at 20°C (68°F). The VOC limits for cleaning solution shall demonstrate compliance with Permit Condition #22 (b).

The Permittee shall maintain monthly usage all Graphic Arts Materials and Cleaning Solutions. The records shall show the type, and amount of each graphic arts ink, varnish, coating, adhesive, fountain solution, blanket wash and all other cleaning solutions.

24. **Other:** The Permittee shall store all VOC containing materials used for cleaning and cleanup, including rags and towels, in closed containers when not in use. Containers containing VOC materials used for cleaning and clean up shall be covered at all times except when the actual clean up is being performed. Containers containing inks, fountain solutions, etc. shall be covered when not in present use.